

ABSTRACT

A cell culture support is first prepared that is coated on a surface with a polymer the hydration force of which changes in a temperature range of 0-80°C; cancer cells are then cultivated on the support in a temperature region where the polymer has weak hydration force; thereafter, the culture solution is adjusted to a temperature at which the polymer has a stronger hydration force, whereby the cultured cancer cells are detached; the detached cancer cells are then transplanted to a specified site of an animal on which transplantation is to be performed; this method is an efficient way of cancer cells transplantation.